Applied Acoustics **31** (1990) 323–324

CONTENTS OF VOLUME 31

Numbers 1–3

Special Issue: Concert Hall and Environmental Acoustics

Foreword iii

Guest Editorial 1

Excerpts from *Concert Hall Acoustics—1989* 3
LEO L. BERANEK (USA)

Recent Developments in Acoustical Design Process 7
A. HAROLD MARSHALL (New Zealand)

What We Have Learned from the Listening Experiences in Concert Halls—Physical Properties and Subjective Impressions of Five Concert Halls in Tokyo. 29
MINORU NAGATA (Japan)

Active Field Control in Auditoria 47
FUKUSHI KAWAKAMI & YASUSHI SHIMIZU (Japan)

Mathematical Modeling of Absorbent Highway Noise Barriers 77
SABIH I. HAYEK (USA)

The Application of Integral Equation Methods to the Calculation of Sound Attenuation by Barriers 101
YASUHITO KAWAI & TOSHIO TERAI (Japan)

Some Remarks on Practical Methods for Calculating Acoustical Diffraction . 119
KOICHI TAKAGI (Japan)

Sound Propagation from the Inside to the Outside of a Room Through an Aperture 133
YOSHIHIRO FURUE (Japan)

Scale Modelling for Predicting Noise Propagation in Factories 147
RAFAL J. ORLOWSKI (UK)

Subjective Assessment of Indoor Noises—Basic Experiments with Artificial Sounds 173
HIDEKI TACHIBANA, HIROO YANO & YUJI SONODA (Japan)

Scale Model Experiments for the Prediction of Road Traffic Noise and the Design of Noise Control Facilities 185
MITSUYASU YAMASHITA & KOHEI YAMAMOTO (Japan)

Applied Acoustics (**31**) (1990)—© 1990 Elsevier Science Publishers Ltd, England. Printed in Great Britain

Subjective Perception of Sound Field Simulation and Variable Acoustics by some Passive and Electroacoustic Systems 197
MENDEL KLEINER (Sweden)

The Influence of Architectural Design on the Acoustics of Concert Halls . . 207
ANDERS C. GADE (Denmark)

Short History of the Environmental Acoustics Laboratory in Kobe University . 215
Z. MAEKAWA (Japan)

Some Auditoria Designed by Maekawa's Laboratory 223
Z. MAEKAWA (Japan)

Calendar 231

Number 4

Harmonic and Intermodulation Distortion in Carbon Microphones . . . 233
MUHAMMAD TAHER ABUELMA'ATTI (Bahrain)

Noise of Simulated Rainfall on Roofs 245
K. O. BALLAGH (New Zealand)

Acoustical Effects of a Large Ridge on Low-Frequency Sound Propagation in Stationary and Moving Atmospheres 265
J. S. ROBERTSON, M. J. JACOBSON, W. L. SIEGMANN & D. P. SANTANDREA (USA)

A Study of the Low-Pass Filter Compensating Monopole System for Active Attenuation of Noise in a Duct 281
JILUO ZHOU & TIELIN SHI (People's Republic of China)

A Multi-purpose Facility for Research on Hearing Protection 295
C. GIGUÈRE & S. M. ABEL (Canada)

Technical Note
A Sampling Strategy for Office Noise Measurement 313
ALBERTO BEHAR, LYNNE MOLINARI & ROLLIE MALLETTE (Canada)

Calendar 321